

With respect to reliability, the district court must ensure that the proffered expert opinion is “based on scientific, technical, or other specialized knowledge and not on belief or speculation, and inferences must be derived using scientific or other valid methods.” *Daubert* offered a number of guideposts to help a district court determine if expert testimony is sufficiently reliable to be admissible. First, “a key question to be answered in determining whether a theory or technique is scientific knowledge that will assist the trier of fact will be whether it can be (and has been) tested.” A second question to be considered by a district court is “whether the theory or technique has been subjected to peer review and publication.” Publication regarding the theory bears upon peer review; “[t]he fact of publication (or lack thereof) in a peer reviewed journal will be a relevant, though not dispositive, consideration in assessing the scientific validity of a

particular technique or methodology on which an opinion is premised.” Third, “in the case of a particular scientific technique, the court ordinarily should consider the known or potential rate of error.” Fourth, despite the displacement of *Frye*, ““general acceptance”” is nonetheless relevant to the reliability inquiry. “Widespread acceptance can be an important factor in ruling particular evidence admissible, and a known technique which has been able to attract only minimal support with the community may properly be viewed with skepticism.” *Daubert's* list of relevant considerations is not exhaustive; indeed, the Court has cautioned that this “list of specific factors neither necessarily nor exclusively applies to all experts or in every case,” and that a trial court has “broad latitude” to determine whether these factors are “reasonable measures of reliability in a particular case.”

Nease v. Ford Motor Co., 848 F.3d 219, 229 (4th Cir.), cert. denied, 137 S. Ct. 2250, 198 L. Ed. 2d 680 (2017) (citations omitted) (most alterations in original).

Defendant seeks to exclude the expert testimony of Dr. Merchant, who has an extensive background in public health and epidemiology, on 13 topics. The motion essentially amounts to a request to exclude his testimony in its entirety. As the court has previously ruled, it declines to bar him from testifying, (see DE # 476, at 31), and accordingly will deny defendant’s motion in this regard. The court will, however, allow defendant’s motion to the extent necessary to limit Dr. Merchant’s testimony in certain aspects. The court concludes that the following topics are not within Dr. Merchant’s expertise: complaint-driven systems (topic 8); corporate responsibility (topic 12); and warnings (topic 13). The court further concludes that Dr. Merchant’s testimony about the following topics would not be helpful to the jury: occupational exposures (topic 9); and *defendant’s* knowledge of community health effects studies (topic 11), except that Dr. Merchant may testify as to the *state* of knowledge regarding community health effects as shown by pertinent scientific studies and literature.

Dr. Taylor is an agricultural economist. Defendant claims Dr. Taylor’s overriding opinions about defendant’s vertical integration and market power and the economic feasibility of implementing alternative waste management technologies are irrelevant and unreliable. The

court disagrees. The issues defendant raises go primarily towards the weight of Dr. Taylor's testimony, not its admissibility. Also, defendant requests that the court exclude Dr. "Taylor's irrelevant and inflammatory references to China and the minority population in southeastern North Carolina," (DE # 75, at 3). Defendant filed a motion in limine covering these topics, which the court allowed in part and denied in part. (See DE # 135; 3/21/18 Oral Order.) Dr. Merchant's testimony shall be limited, to the extent necessary, consistent with the court's prior ruling.

For the foregoing reasons, defendant's motions to exclude the expert testimony of Dr. Merchant and Dr. Taylor are ALLOWED IN PART and DENIED IN PART.

This 5 April 2018.

A handwritten signature in green ink, appearing to read "W. Earl Britt", is positioned above a horizontal line.

W. Earl Britt
Senior U.S. District Judge